Nile Perch: Invasive but Endangered

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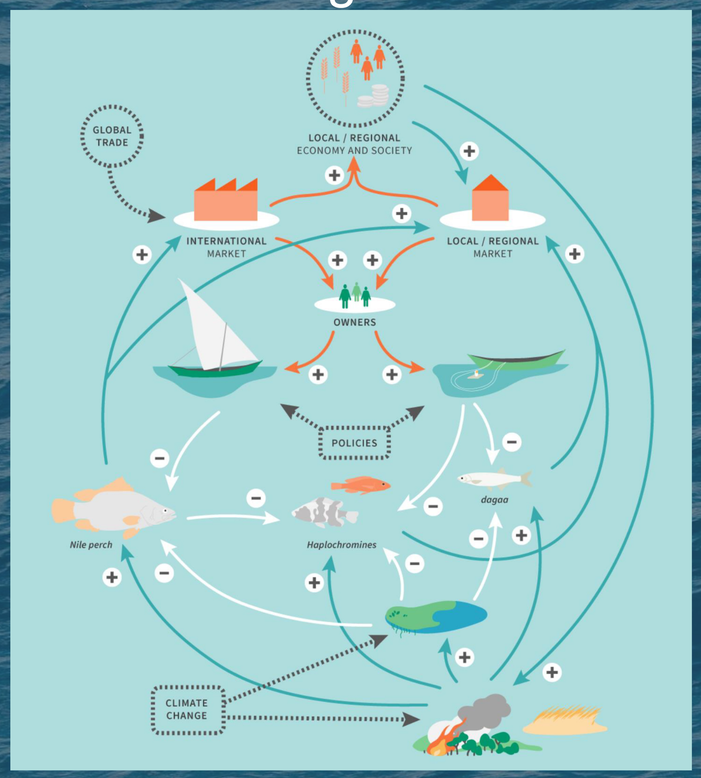
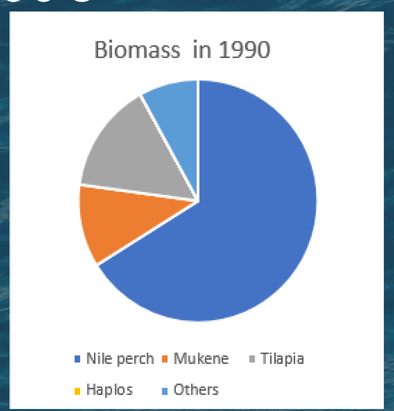
Background



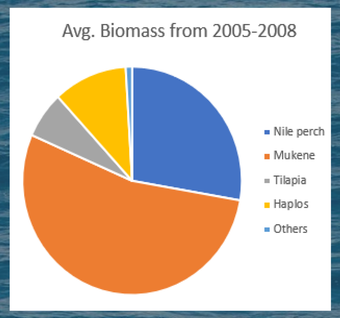
The graphic above (Downing 2018) shows the intricate relationships that the community around the Nile Perch has.

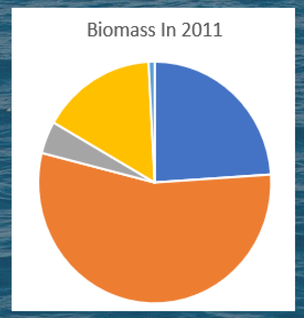
1990's

This graphic shows the average size of the Nile Perch in the 1990's in comparison to the average height of a male human.



The pie chart above (Mkumbo and Marshall 2015) shows the biomass of the Nile Perch, Mukene, Tilapia, Haplos and other fish caught in 1990.





The pie charts above (Mkumbo and Marshall 2015) show the biomass of the Nile Perch, Mukene, Tilapia, Haplos and other fish caught from 2005-2011.

Invasive

- Perch population boomed in the 1980's
- 200 species went extinct
- 90% decline in population of African cichlid
- Parasites and disease carries in their gills
- Perch can lay 16 million eggs at a time

Endangered

- Overfishing
- Illegal fishing
- Reduced amount of oxygen in the lake
- Economic necessity in the Lake Victoria Region
- Little regulation

Africa

Lake Victoria

The map to the left is showing Africa and the map on the right is a larger picture of Lake Victoria and the countries that surround it (Google Maps 2019).

Solutions

Management

Pros	Cons
• Effective • Established harvesting rules	• Expensive • Inadequate follow-up

Mukene

Pros	Cons
• Replaces the Nile Perch • Large Number in lake • Non-invasive	• Trophic cascade • History could repeat itself

Farming Nile Perch

Pros	Cons
• Save the Perch population • Save biodiversity in the lake • Help the economy	• Unemployment • Disease • Predators • Pollution

Acknowledgements

We would like to thank Marcel Korese from WWF. We would also like to thank our PLA Samantha Grillo and our Professors Dr. Marja Bakermans and Dr. David Spanagel for their support during our project.

Selected References

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